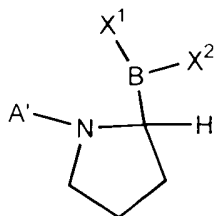


## Appendix A

35. (Thrice Amended) A mixture of stereoisomers consisting of a compound of the following structure and at least one stereoisomer thereof:



wherein each X<sup>1</sup> and X<sup>2</sup> is, independently, a hydroxyl group or a group capable of being hydrolyzed to a hydroxyl group at physiological pH;

wherein at least 96% of the carbon atoms bearing boron are of the L-configuration;

wherein A' comprises an amino acid; and

wherein each of the compounds inhibits DP-IV activity.

36. (Amended) The mixture of claim 35, wherein X<sup>1</sup> and X<sup>2</sup> are hydroxyl groups.

37. (Amended) The mixture of claim 35, wherein at least 97% of the carbon atoms bearing boron are of the L-configuration.

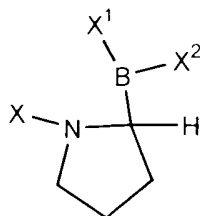
38. (Amended) The mixture of claim 35, wherein at least 98% of the carbon atoms bearing boron are of the L-configuration.

39. (Amended) The mixture of claim 35, wherein 99% of the carbon atoms bearing boron are of the L-configuration.

40. (Amended) The mixture of claim 35, wherein A' is valine.

41. (Amended) The mixture of claim 35, wherein A' is glycine.

42. (Thrice Amended) A mixture of stereoisomers consisting of a compound of the following structure and at least one stereoisomer thereof:



wherein each  $X^1$  and  $X^2$  is, independently, a hydroxyl group or a group capable of being hydrolyzed to a hydroxyl group at physiological pH;

wherein at least 96% of the carbon atoms bearing boron are of the L-configuration;

wherein X comprises an amino acid or a peptide; and

wherein each of the compounds inhibits DP-IV activity.

43. (Amended) The mixture of claim 42, wherein  $X^1$  and  $X^2$  are hydroxyl groups.

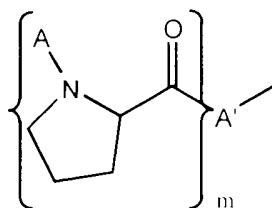
44. (Amended) The mixture of claim 42, wherein at least 97% of the carbon atoms bearing boron are of the L-configuration.

45. (Amended) The mixture of claim 42, wherein at least 98% of the carbon atoms bearing boron are of the L-configuration.

46. (Amended) The mixture of claim 42, wherein 99% of the carbon atoms bearing boron are of the L-configuration.

47. (Amended) The mixture of claim 42, wherein X is an L-amino acid.

48. (Amended) The mixture of claim 43, wherein X is a peptide having the structure



wherein  $m$  is an integer between 0 and 10, inclusive; and

wherein  $A$  and  $A'$  are L-amino acid residues such that the  $A$  in each repeating bracketed unit can be the same or a different amino acid residue.

49. (Amended) The mixture of claim 48, wherein  $A$  and  $A'$  are independently proline or alanine residues.

50. (Amended) The mixture of claim 48, wherein  $m$  is an integer between 1 and 10.

51. (Amended) The mixture of claim 48, wherein  $m$  is 1.